

ClaimsWhat is claimed is:

1 1. A computer controlled user interactive display system  
2 for dynamically tracking and controlling the building of  
3 software program objects comprising:

4 means for tracking each of a plurality of sets of  
5 sequential build events, each set of sequential build  
6 events respectively building a program object;

7 means for displaying each of said sets of sequential  
8 build events;

9 means associated with each of said displayed  
10 sequential build events enabling a user to interactively  
11 register to perform an action on said build event; and

12 means associated with each of said displayed  
13 sequential build events enabling a user to interactively  
14 unregister to perform an action on said build event.

1 2. The computer controlled display system of claim 1  
2 wherein said means enabling a user to register to perform  
3 an action on a build event further includes:

4 means for determining whether the user is authorized  
5 to perform said action.

1 3. The computer controlled display system of claim 2  
2 wherein said means enabling a user to register to perform  
3 an action on a build event further includes:

4 means enabling a user to selectively request a  
5 displayed data entry dialog box; and

6 means for determining whether the user is authorized  
7 to register from the data entered in said box.

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1 4. The computer controlled display system of claim 1  
2 further including means responsive to a state in a build  
3 event for automatically performing a registered action on  
4 said build event.

1 5. The computer controlled display system of claim 1  
2 further including means responsive to a state in a build  
3 event for enabling a user to selectively perform a  
4 registered action on said build event.

1 6. The computer controlled display system of claim 1  
2 wherein said registered action is notice to the  
3 registered user of a state in a build event.

1 7. The computer controlled display system of claim 6  
2 wherein another registered action may be selectively  
3 performed by the registered user.

1 8. The computer controlled display system of claim 7  
2 wherein:  
3 the registered user is a manager of the building of  
4 a program object;  
5 the state in a build event is a request of another  
6 user to register or unregister; and  
7 the selective action performed by said manager is  
8 the authorization of the request.

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1 9. The computer controlled display system of claim 1  
2 wherein said means enabling a user to unregister to  
3 perform an action on a build event further includes:  
4 means enabling a user to selectively request a  
5 displayed data entry dialog box; and  
6 means for determining from the data entered in said  
7 box whether the user is authorized to unregister to  
8 perform an action.

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- 1 10. A computer controlled user interactive display  
2 system for dynamically tracking and controlling the  
3 building of software program objects comprising:  
4 means for tracking a sequence of build events in the  
5 building of a program object;  
6 means for displaying each of said sequence build  
7 events;  
8 means associated with each of said displayed  
9 sequence of build events for enabling a user to  
10 selectively request a displayed dialog window including:  
11 a menu of actions said user may selectively  
12 perform on the associated build event at the current  
13 state of the event; and  
14 data entry means enabling the user to request  
15 registration to perform an action on the build event  
16 or unregistration to perform an action on the build  
17 event.
- 1 11. The computer controlled display system of claim 10  
2 further including means for determining whether the  
3 requested registration or unregistration is authorized.

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1 12. A method for dynamically tracking and controlling  
2 the building of software program objects on a computer  
3 controlled user interactive display system comprising:  
4 tracking each of a plurality of sets of sequential  
5 build events, each set of sequential build events  
6 respectively building a program object;  
7 displaying each of said sets of sequential build  
8 events;  
9 enabling a user to interactively register to perform  
10 an action on each of said displayed sequential build  
11 events; and  
12 enabling a user to interactively unregister to  
13 perform an action on each of said displayed sequential  
14 build events.

1 13. The method of claim 12 wherein said step of enabling  
2 a user to register to perform an action on a build event  
3 further includes:  
4 the step of determining whether the user is  
5 authorized to perform said action.

1 14. The method of claim 13 wherein said step of enabling  
2 a user to register to perform an action on a build event  
3 further includes the steps of:  
4 enabling a user to selectively request a displayed  
5 data entry dialog box; and  
6 determining whether the user is authorized from the  
7 data entered in said box.

1 15. The method of claim 12 further including:  
2 the step of automatically performing a registered  
3 action on said build event responsive to a state in a  
4 build event.

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1 16. The method of claim 12 further including:  
2 the step of enabling a user to selectively perform a  
3 registered action on said build event responsive to a  
4 state in a build event.

1 17. The method of claim 12 wherein said registered  
2 action is notice to the registered user of a state in a  
3 build event.

1 18. The method of claim 17 including the step of  
2 selectively performing another registered action by said  
3 registered user in response to said notice.

1 19. The method of claim 18 wherein:  
2 said registered user is a manager of the building of  
3 a program object;  
4 said state in a build event is a request of another  
5 user to register or unregister; and  
6 said selective action performed by said manager is  
7 the authorization of the request.

1 20. The method of claim 12 wherein said means enabling a  
2 user to unregister to perform an action on a build event  
3 further includes the steps of:  
4 enabling a user to selectively request a displayed  
5 data entry dialog box; and  
6 determining from the data entered in said box  
7 whether the user is authorized to unregister.

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- 1 21. A method for dynamically tracking and controlling  
2 the building of software program objects on a computer  
3 controlled user interactive display system comprising:  
4 tracking each of a plurality of sets of sequential  
5 build events, each set of sequential build events  
6 respectively building a program object;  
7 displaying each of said sets of sequential build  
8 events;  
9 enabling a user to selectively request a displayed  
10 dialog window in association with each of said displayed  
11 sequence of build events for including:  
12 a menu of actions said user may selectively  
13 perform on the associated build event at the current  
14 state of the event; and  
15 data entry means enabling the user to request  
16 registration to perform an action on the build event  
17 or unregistration to perform an action on the build  
18 event.
- 1 22. The method of claim 21 further including the step of  
2 determining whether the requested registration or  
3 unregistration is authorized.

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1 23. A computer program having code recorded on a  
2 computer readable medium for dynamically tracking and  
3 controlling, on a computer controlled display, the  
4 building of software program objects, said computer  
5 program comprising:

6 means for tracking each of a plurality of sets of  
7 sequential build events, each set of sequential build  
8 events respectively building a program object;

9 means for displaying each of said sets of sequential  
10 build events;

11 means associated with each of said displayed  
12 sequential build events enabling a user to interactively  
13 register to perform an action on said build event; and

14 means associated with each of said displayed  
15 sequential build events enabling a user to interactively  
16 unregister to perform an action on said build event.

1 24. The computer program of claim 23 wherein said means  
2 enabling a user to register to perform an action on a  
3 build event further includes:

4 means for determining whether the user is authorized  
5 to perform said action.

1 25. The computer program of claim 24 wherein said means  
2 enabling a user to register to perform an action on a  
3 build event further includes:

4 means enabling a user to selectively request a  
5 displayed data entry dialog box; and

6 means for determining whether the user is authorized  
7 to register from the data entered in said box.

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1 26. The computer program of claim 23 further including  
2 means responsive to a state in a build event for  
3 automatically performing a registered action on said  
4 build event.

1 27. The computer program of claim 23 further including  
2 means responsive to a state in a build event for enabling  
3 a user to selectively perform a registered action on said  
4 build event.

1 28. The computer program of claim 27 wherein said  
2 registered action is notice to the registered user of a  
3 state in a build event.

1 29. The computer program of claim 28 wherein another  
2 registered action may be selectively performed by the  
3 registered user.

1 30. The computer program of claim 29 wherein:  
2 the registered user is a manager of the building of  
3 a program object;  
4 the state in a build event is a request of another  
5 user to register or unregister; and  
6 the selective action performed by said manager is  
7 the authorization of the request.

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1 31. The computer program of claim 23 wherein said means  
2 enabling a user to unregister to perform an action on a  
3 build event further includes:  
4 means enabling a user to selectively request a  
5 displayed data entry dialog box; and  
6 means for determining from the data entered in said  
7 box whether the user is authorized to unregister to  
8 perform an action.

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1 32. A computer program having code recorded on a  
2 computer readable medium for dynamically tracking and  
3 controlling, on a computer controlled display, the  
4 building of software program objects, said computer  
5 program comprising:

6 means for tracking a sequence of build events in the  
7 building of a program object;

8 means for displaying each of said sequence build  
9 events;

10 means associated with each of said displayed  
11 sequence of build events for enabling a user to  
12 selectively request a displayed dialog window including:

13 a menu of actions said user may selectively  
14 perform on the associated build event at the current  
15 state of the event; and

16 data entry means enabling the user to request  
17 registration to perform an action on the build event  
18 or unregistration to perform an action on the build  
19 event.

1 33. The computer program of claim 32 further including  
2 means for determining whether the requested registration  
3 or unregistration is authorized.

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